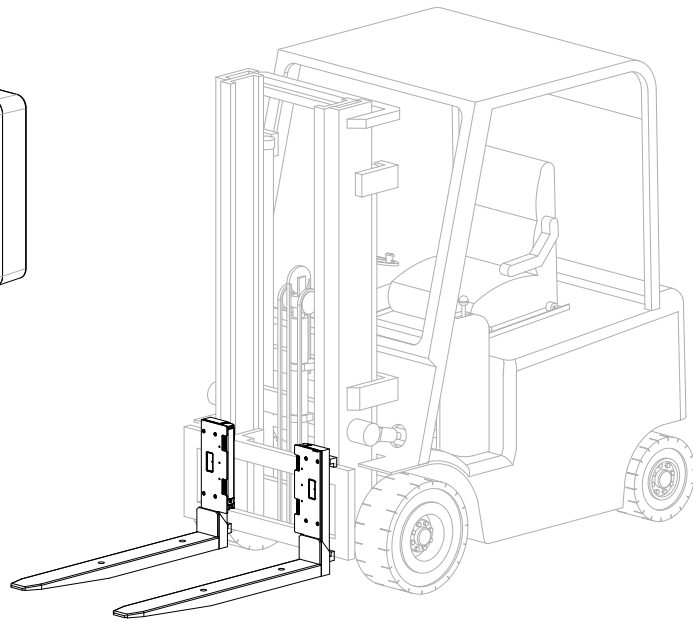
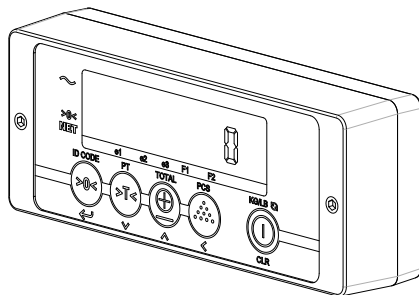




SERVICE MANUAL

iForks



Rev.28.09.09

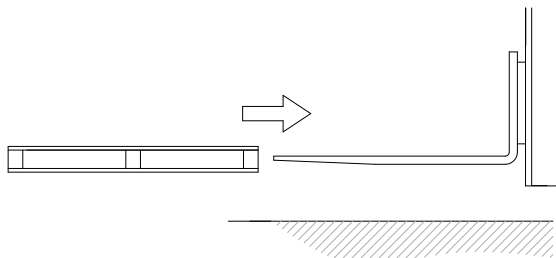
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1. Calibration

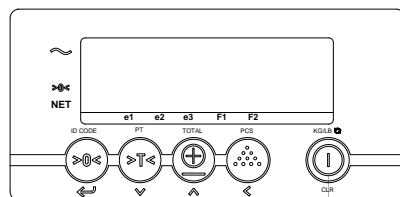
1.1 Corner calibration

1



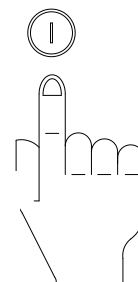
Put an empty pallet on the **iForks**.

2

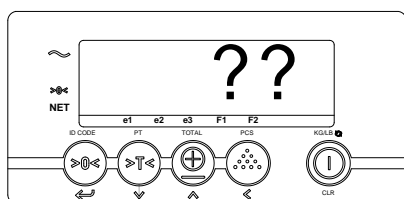


Start up the indicator.
Press the on/off key.

Check if the calibration-jumper is installed on the board of the indicator



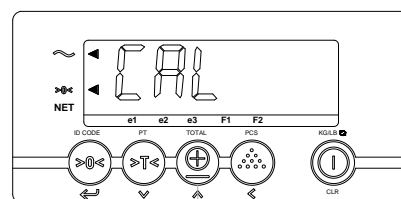
3



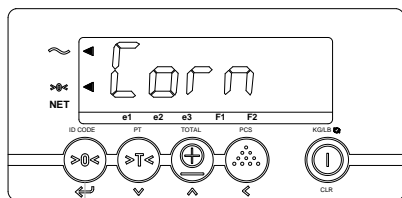
10 sec.



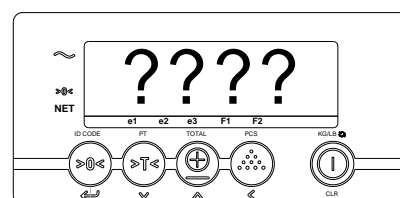
4



5



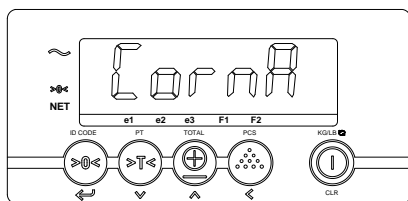
6



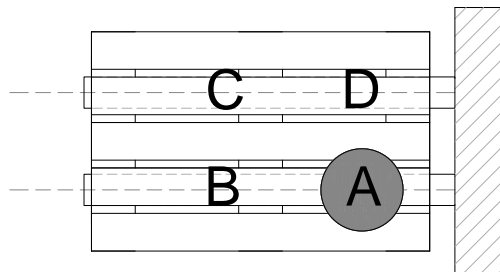
2 sec.



7

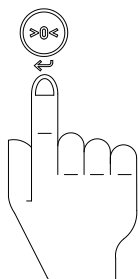
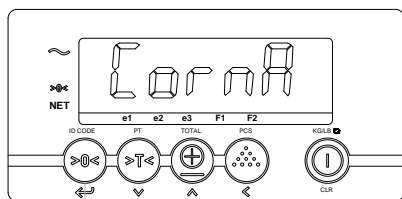


8

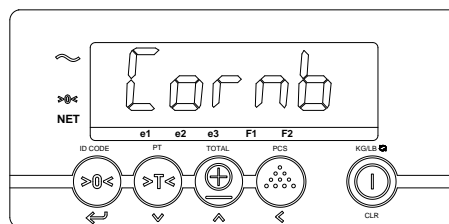


Put load M (100–500kg) on position A of the pallet.

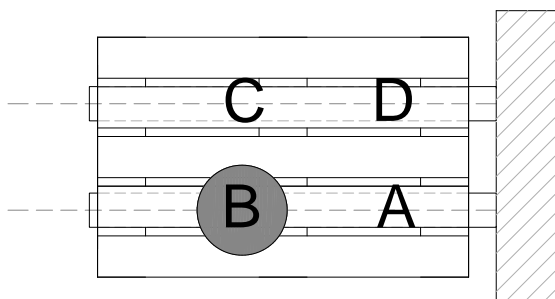
9



10

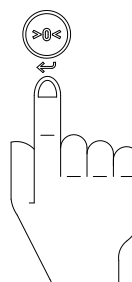
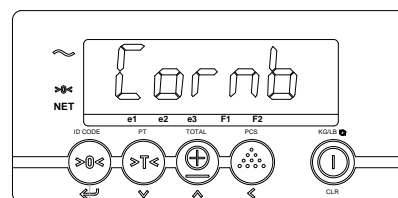


11

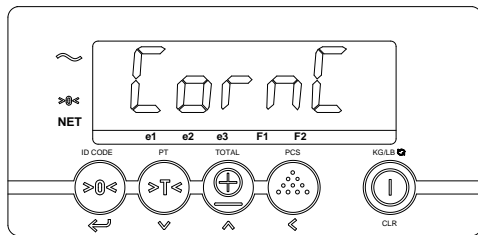


Put load M (100–500kg) on position B of the pallet.

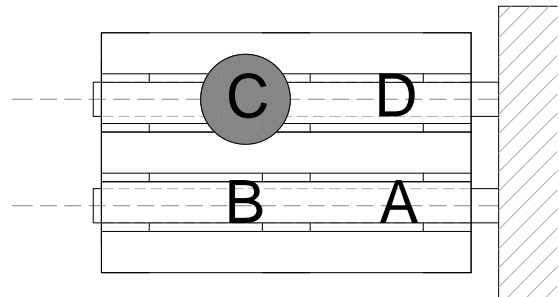
12



13

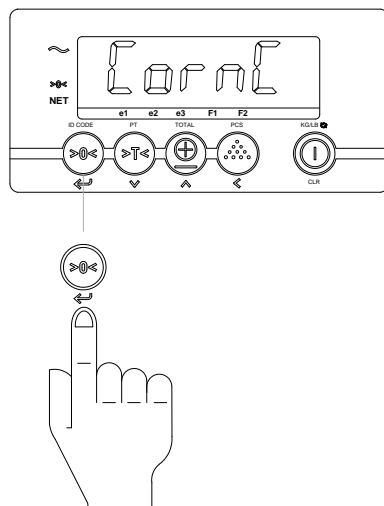


14

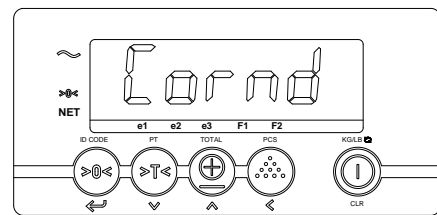


Put load M (100–500kg) on position C of the pallet.

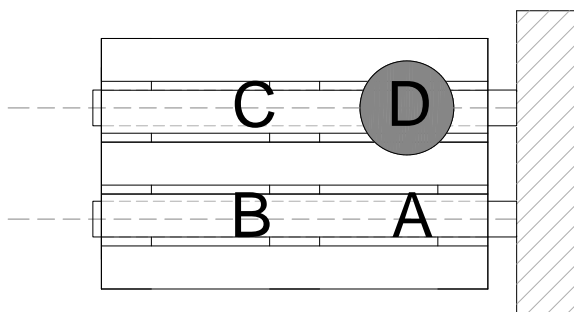
15



16

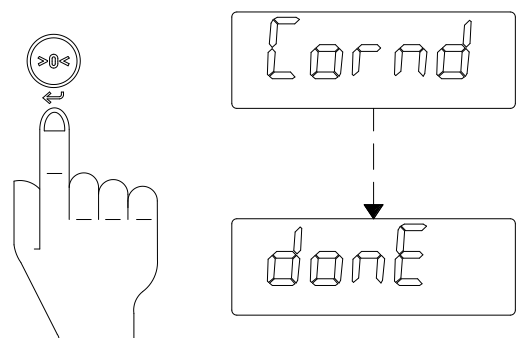


17



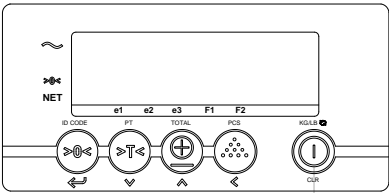
Put load M (100–500kg) on position D of the pallet.

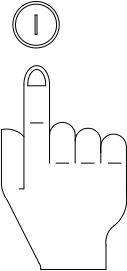
18



1.2 Zero calibration

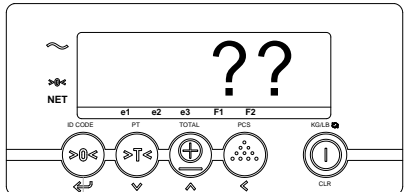
1







**Start up the indicator.
Press the on/off key.**

3

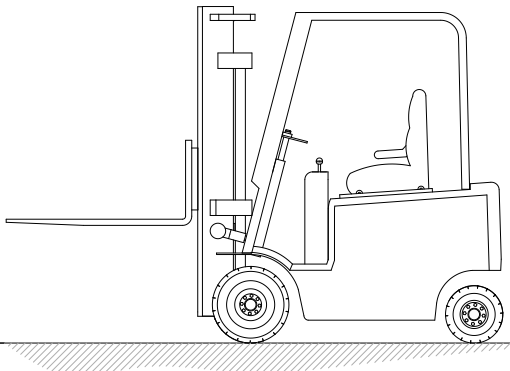




10 sec.

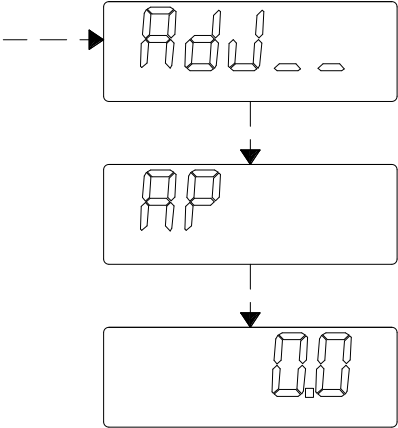


2



Empty forks !

4



SERVICE MANUAL - **iForks**

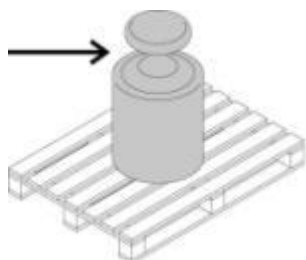
6

1.3 Weight calibration

1

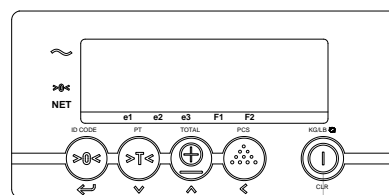
EXAMPLE:

M1 = 500
M2 = 1500
M3 = 2500



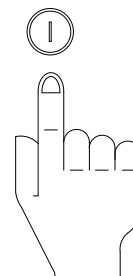
*M = total calibration
weight loaded onto the
iForks (incl. pallet if used)*

2

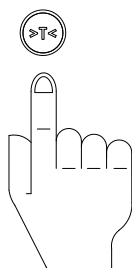
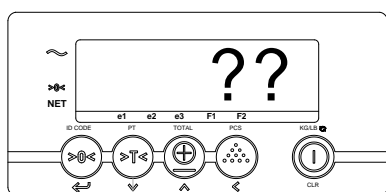


**Start up the indicator.
Press the on/off key.**

**Check if the calibration-
jumper is installed on the
board of the indicator**



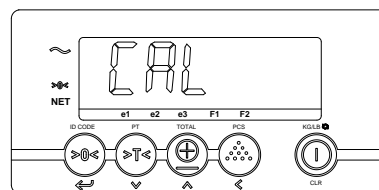
3



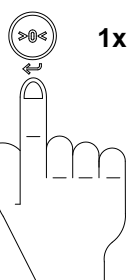
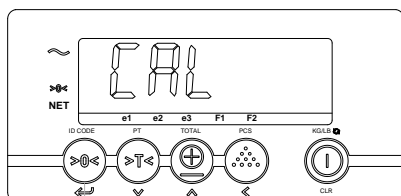
10 sec.



4

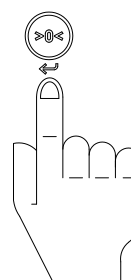
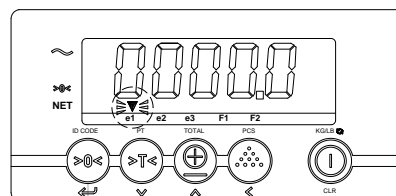


5

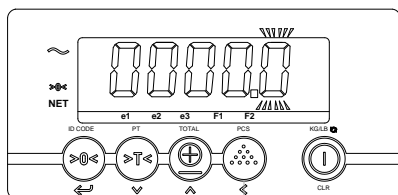


1x

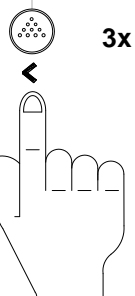
6



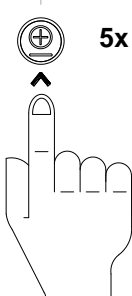
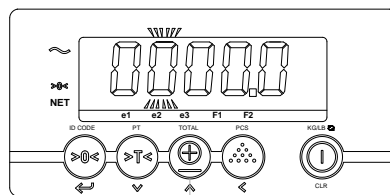
7



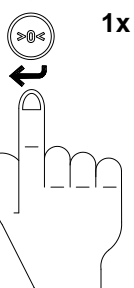
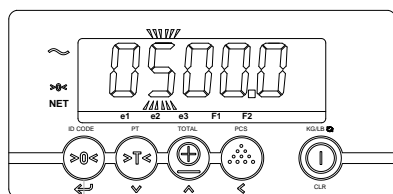
Change if needed !



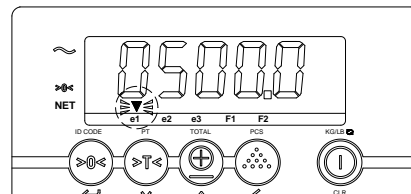
8



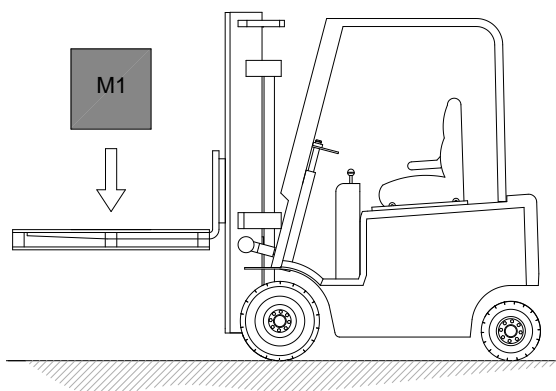
9



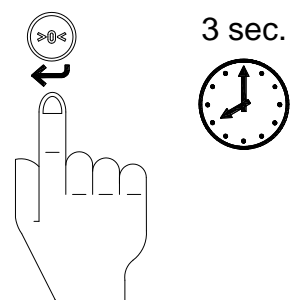
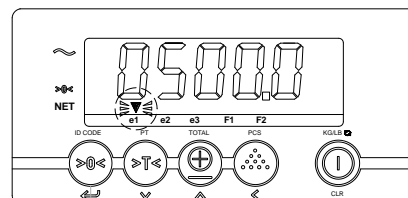
10



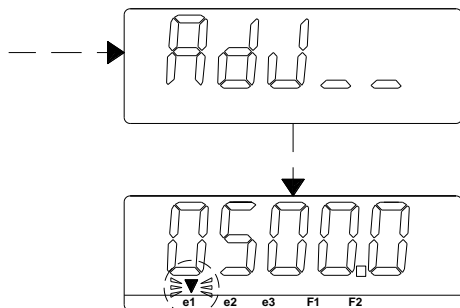
11



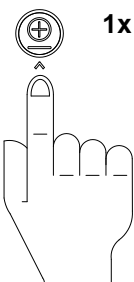
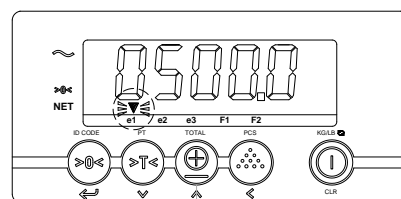
12



13

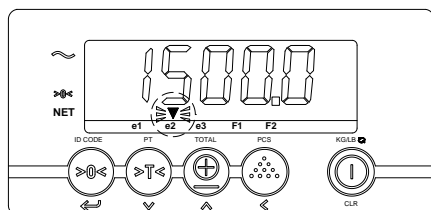


14



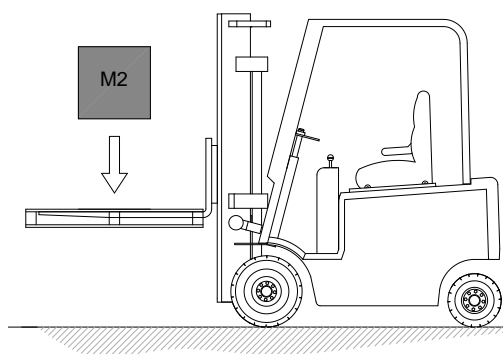
Move the
pointer to e2

15

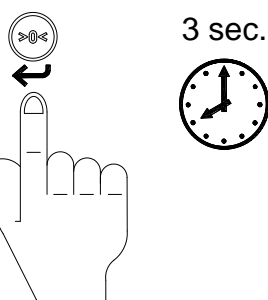
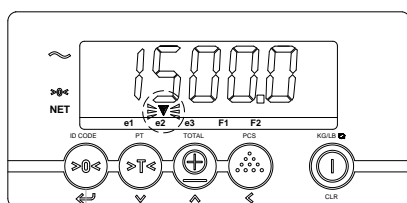


Change the value if
needed, by pressing
the >0< key shortly.

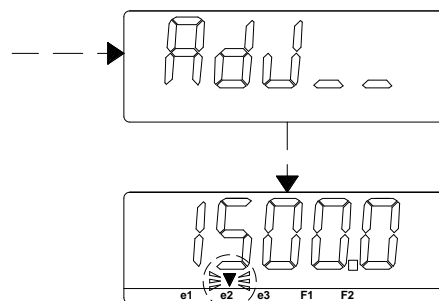
16



17

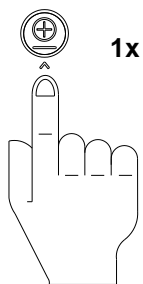
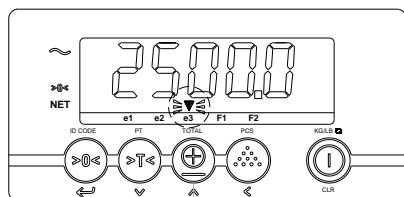


18

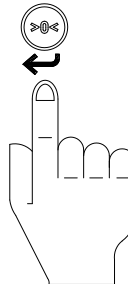
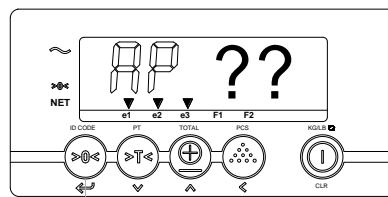


Afterwards, repeat this
cycle for load M3 -> move
the pointer to e3

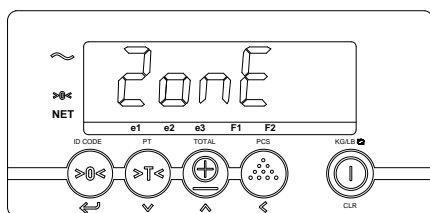
19



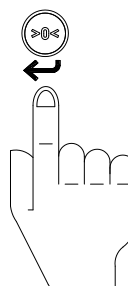
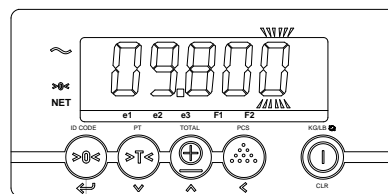
20



21



22



**Change gravitation
value if needed (enter
the g-value of the
current location)**

Or confirm with enter

2. Parameter settings

To enter the parameter menu by:

- Switch on the indicator and HOLD the ON/OFF key for at least 30 seconds.
- After 30 seconds the indicator shows automatically: P _ _ 00.

Par.	Function	Default settings		Settings
		EU	US	
01	Calibration and start-up units (and print units)	kg	lb	kg;lb
02	Smallest graduation step for multirange	1	2	0.1/0.2/0.5/1/2/5/10/20/50
03	Biggest graduation step for multirange	2	5	0.1/0.2/0.5/1/2/5/10/20/50
04	Number of divisions for every range	1000	1000	0000 - 9999 divisions
05	Weighing capacity system (full scale)	2500	5000	0-99999
06	Motion tolerance for stable	2	2	off/0.5/1/2/4/8/16/32 grad./sec
07	Filter size	8	8	off; 1-12 (1 light filtering, 12 high filtering)
08	Auto zero range (zero track)	0.5	0.5	off/0.5/1/3 grad./sec
09	Zero range positive (+)	10	10	0-100 % of span
10	Zero range negative (-)	10	10	0-100 % of span
11	Test function (display service mode)	basic	basic	basic/count/res10
12	Power on – automatic zero	no	no	Yes/no
13	Approved / non-approved version	no	no	No/ntep/oiml
14	Sampling quantity	10	10	1/2/5/10/20/50/95
15	Units switch mode active	yes	yes	no/yes
16	Setpoint function	0	0	0 (not used); 1 (gross overload); 2 (net overload); 3 (fill manual tare); 4 (fill auto tare); 5 (gross overload not authorize to change gross setting); 6 (net overload not authorize to change net setting); 7(gross overload delayed); 8 (net overload delayed); 9 (gross overload delay not authorize to change gross setting); 10 (net overload delay not authorize to change net setting)
17	Number of wires per loadcell (sence active)	4	4	4/6
18	Gravity value working area	9.812	9.797	9.750-9.850
19	Print format date/time	EU	US	EU (dd/mm/yy);US (mm/dd/yy)
20	Baudrate com1	9600	9600	600/1200/2400/4800/9600/19200
21	Setting com1	8_n_1	8_n_1	8_n_1; 8_n_2; 7_n_1; 7_n_2
24	End character com1	cr	cr	cr;lf;crLf
25	Protocol com1	5	5	0(PC bi-directional NU); 1(PC Excel format on print command); 2 (remote display); 3 (printer protocol with power control); 4 (printer protocol without power control); 5 (Bluetooth master)
26	Number of linefeeds com1	4	4	0-9
27	Handshake com1	soft	soft	soft (Xon/Xoff)/hard (CTS)
28	Printout format for com1 and com2	stnd	stnd	stnd;total;confi
29	Header lines added	0	0	0 - 3
30	Baudrate com2	9600	9600	600/1200/2400/4800/9600/19200
31	Setting com2	8_n_1	8_n_1	8_n_1; 8_n_2; 7_n_1; 7_n_2
34	End character com2	cr	cr	cr/lf;crLf
35	Protocol com2	0	0	0(PC bi-directional NU); 1(PC Excel format on print command); 2 (remote display); 3 (printer protocol with power control); 4 (printer protocol without power control); 5 (Bluetooth master)
36	Number of linefeeds com2	4	4	0-9
37	Handshake com2	soft	soft	soft (Xon/Xoff)/hard (CTS)
40	Level sensor	no	no	no/lS nc/lS no/cs fa/cs ra
41	Delay trigger time level sensor	3	3	0 -1 0 sec
43	Compensation factor correction factor	1	1	0.1-10.0
44	Compensation factor X-direction	1	1	0.1-10.0
45	Compensation factor Y-direction	1	1	0.1-10.0
60	Battery used	6	6	6V /12V
61	Low Bat switch-off time	2	2	0 = never off; 1-99 min
62	Auto shut-off time indicator	2	2	0 = never off; 1-99 min
63	Auto shut-off time forks	3	3	0 = never off; 1 = 30min; 2 = 1h; 3 = 2h
64	Sleep time indicator if used	0	0	0 = not used; 1 to 99 min
65	Auto shut-off time backlight	20	20	off/20/40/80/160/320 sec
66	Backlight brightness	100	100	100%/ 75%/ 50%/ 25%/ 0% (off)
67	Low bat switch off time forks	10	10	0 = never off; 1-99 min
68	Buzzer function active	off	off	off/ on (direct); on (2 sec. delay)
80	Digital corner calibration active	0	0	0 (enabled); 1 (disabled)
81	Compensation factor digital corner A	1.000	1.000	Do not change value after digital corner calibration

82	Compensation factor digital corner B	1.000	1.000	Do not change value after digital corner calibration
83	Compensation factor digital corner C	1.000	1.000	Do not change value after digital corner calibration
84	Compensation factor digital corner D	1.000	1.000	Do not change value after digital corner calibration
85	Matching Bluetooth forks			Only enter this parameter to establish a complete new Bluetooth connection! Enter last 6 characters of MAC-address of fork1 and 2 or cancel by pressing CLR
90	Default settings without changing calibration			
91	Default settings with changing calibration			
96	Printout parameter setup	Pr-C1	Pr-C1	Pr-C1; Pr-C2
97	Key test function (buzzer and nr)			
98	Scale id number	0	0	0 - 9999
99	Software version			

Leave the parameter-menu and store all entries by pressing 2 times shortly on the CLR key.

3. Indicator power supply from fork lift truck battery - connection

Only possible when indicator is equipped with an integrated voltage converter or voltage stabilizer.

